

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P952504

Luminaire Tested: **GALN-SB6B-830-U-SLL-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952504  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6B-830-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

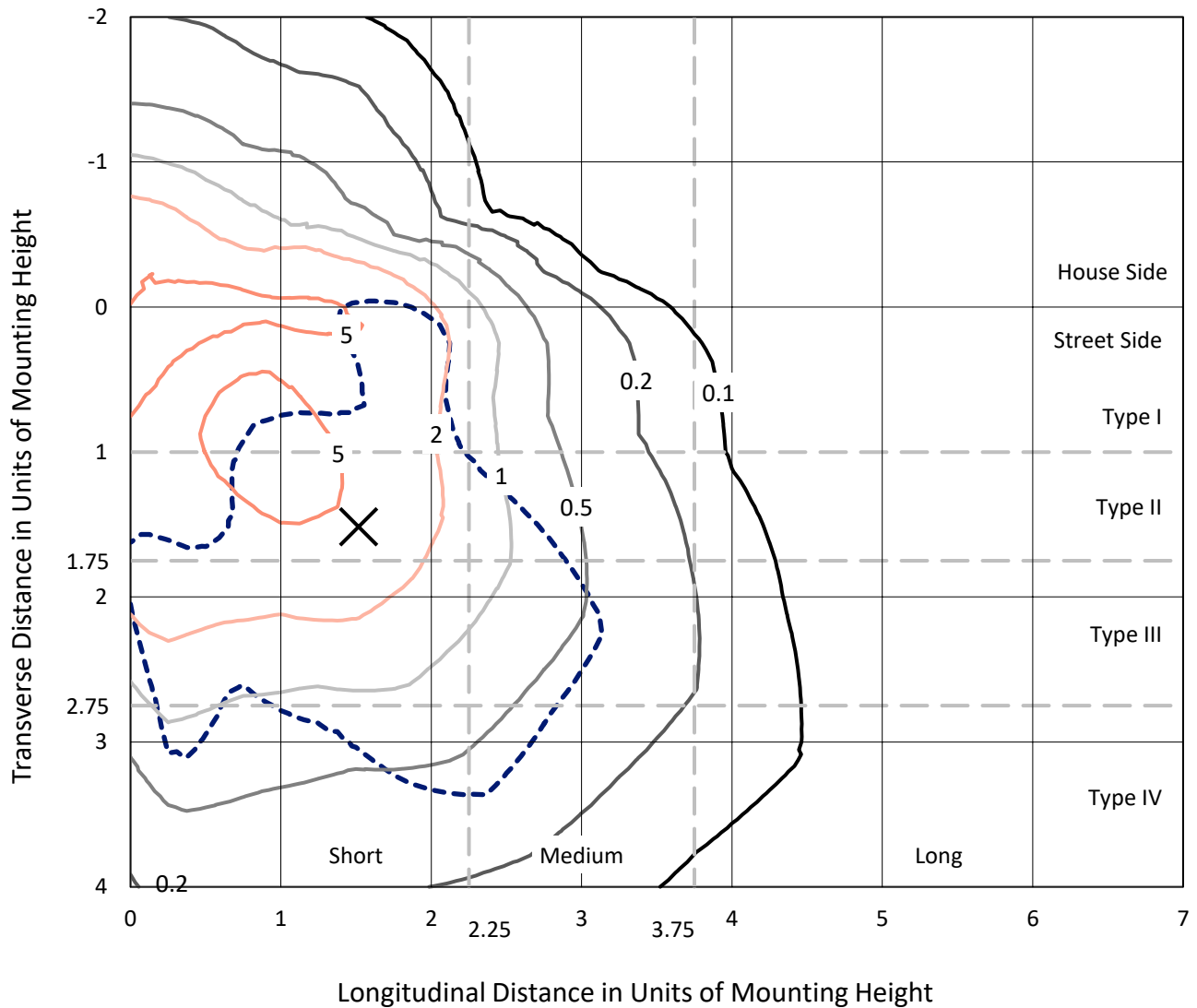
Lumens per Lamp: N/A  
Luminaire Lumens: 23417 lumens  
Efficiency: N/A  
Efficacy: 106.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

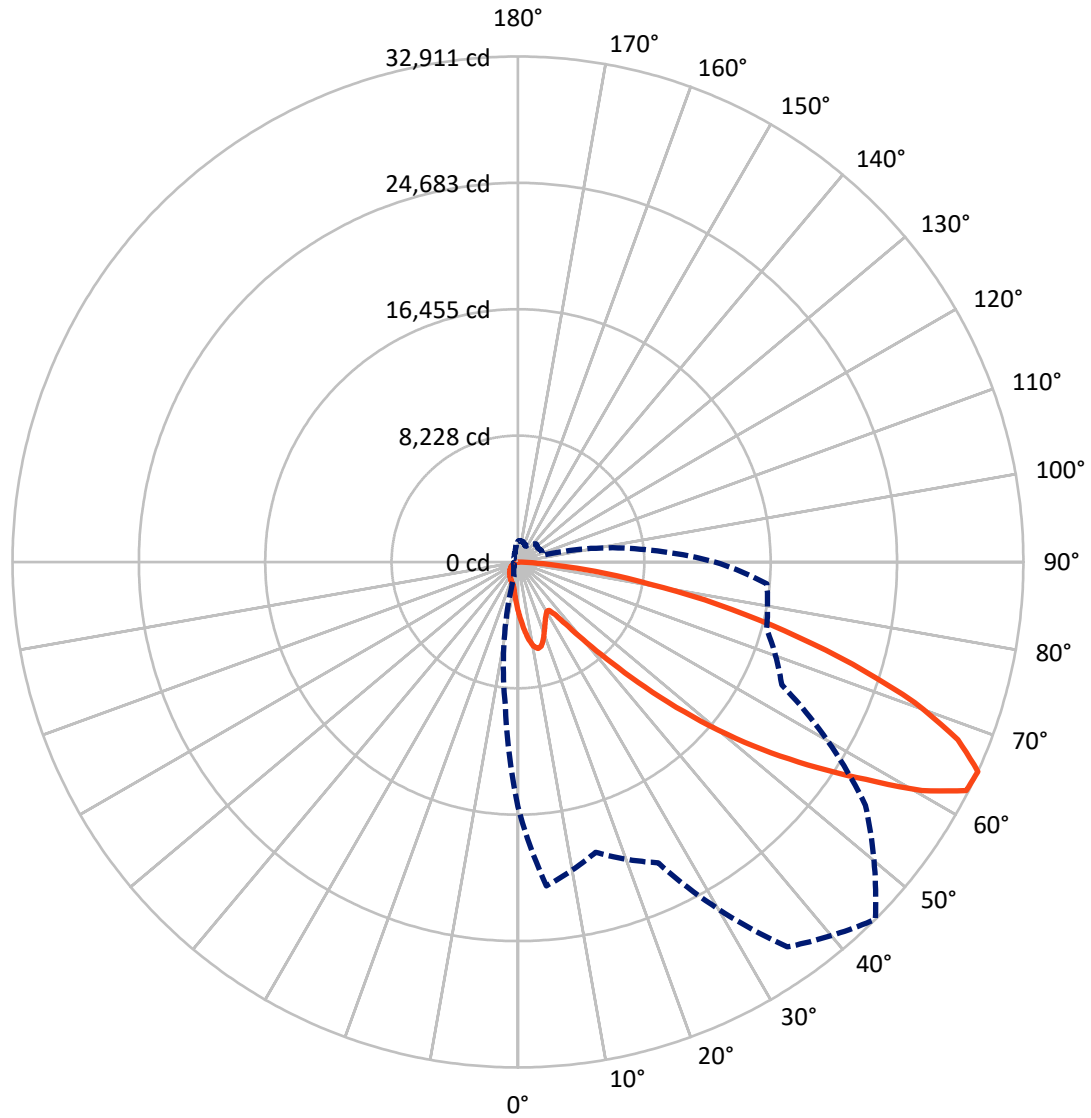
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4654.6	0.0	4654.6
	% Fixture	19.9	0.0	19.9
<b>Street Side</b>	Lumens	18762.4	0.0	18762.4
	% Fixture	80.1	0.0	80.1
<b>Total</b>	Lumens	23417.0	0.0	23417.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	319.2	1.4
10°-20°	957.0	4.1
20°-30°	1409.8	6.0
30°-40°	1811.2	7.7
40°-50°	2929.3	12.5
50°-60°	5136.8	21.9
60°-70°	6427.5	27.4
70°-80°	3756.0	16.0
80°-90°	670.1	2.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	23417.0	100.0
0°-180°	23417.0	100.0

**Coefficient of Utilization**



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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1566.9	6.7			
FM (30°-60°)	7348.5	31.4			
FH (60°-80°)	9208.3	39.3			G4/12000
FVH (80°-90°)	638.7	2.7			G4/750
BL (0°-30°)	1119.2	4.8	B3/2500		
BM (30°-60°)	2528.8	10.8	B3/5000		
BH (60°-80°)	975.2	4.2	B2/1000		G2/1000
BVH (80°-90°)	31.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3242.5	3242.5	3242.5	3242.5	3242.5	3242.5	3242.5	3242.5	3242.5	3242.5
2.5°	3632.9	3660.3	3721.6	3753.9	3803.9	3807.1	3807.1	3763.6	3762.0	3673.2
5°	4060.4	4124.9	4270.1	4420.1	4452.4	4460.5	4444.3	4357.2	4292.7	4120.1
7.5°	4484.7	4608.9	4829.9	5029.9	5094.4	5094.4	5055.7	4913.8	4781.5	4531.4
10°	4836.3	4992.8	5292.9	5517.1	5591.3	5575.2	5496.1	5317.1	5134.8	4831.5
12.5°	5068.6	5244.5	5573.6	5754.2	5830.1	5788.1	5697.8	5523.6	5331.6	5012.2
15°	5184.8	5368.7	5654.2	5749.4	5728.4	5684.9	5673.6	5589.7	5444.5	5146.1
17.5°	5234.8	5405.8	5604.2	5544.5	5367.1	5333.2	5446.1	5552.6	5517.1	5262.2
20°	5281.6	5425.1	5484.8	5220.3	4910.5	4879.9	5096.1	5399.3	5554.2	5370.3
22.5°	5346.1	5434.8	5312.2	4878.3	4544.3	4473.4	4712.1	5168.7	5565.5	5507.4
25°	5434.8	5459.0	5121.9	4554.0	4218.5	4147.5	4370.1	4912.2	5546.1	5655.8
27.5°	5541.3	5491.3	4939.6	4283.0	3958.8	3892.6	4115.2	4665.3	5491.3	5804.2
30°	5680.0	5533.2	4758.9	4073.3	3773.2	3724.8	3939.4	4452.4	5423.5	5993.0
32.5°	5820.4	5551.0	4591.1	3950.7	3731.3	3749.0	3924.9	4337.9	5349.3	6173.7
35°	5972.0	5607.4	4508.9	4071.7	4081.4	4236.2	4308.8	4444.3	5338.0	6418.9
37.5°	6178.5	5733.3	4607.3	4673.4	5008.9	5330.0	5270.3	4965.4	5468.7	6785.1
40°	6475.3	5954.3	5036.4	5697.8	6386.6	6907.7	6680.2	5912.3	5868.8	7312.6
42.5°	6907.7	6305.9	5797.8	6949.6	8117.6	8975.8	8366.0	7133.5	6568.9	8065.9
45°	7546.5	6875.4	6718.9	8270.8	10251.8	11603.7	10335.7	8435.4	7549.7	9206.5
47.5°	8432.1	7712.6	7582.0	9663.0	12845.8	14594.5	12519.9	9642.0	8666.0	10761.6
50°	9608.1	8840.3	8399.9	11185.8	15689.9	17643.4	14702.6	10806.7	9945.3	12661.9
52.5°	11160.0	10413.1	9353.3	12636.1	18614.6	20627.8	16894.9	11829.5	11532.7	14867.1
55°	13276.5	12779.7	10656.7	14020.2	21537.7	23630.0	19001.7	12794.2	13629.8	17486.9
57.5°	15902.8	16257.7	12536.1	15625.3	24165.5	26724.1	21118.2	14142.8	16352.9	20416.5
60°	17596.6	20882.7	16135.1	17998.3	27151.5	30223.1	24018.7	16707.8	19214.7	21466.7
62.5°	17186.9	22353.9	20445.5	21027.9	29897.2	32767.0	26861.2	19284.0	19753.5	19919.6
65°	15930.2	21166.6	19566.3	21616.7	30592.5	32910.6	27621.0	18951.7	16756.2	16262.5
67.5°	14200.9	19758.3	17477.3	20055.1	29335.8	30903.8	26206.2	16764.2	12949.0	12203.8
70°	12334.4	18200.0	16106.1	18303.2	26940.2	27406.4	23801.0	14744.5	9524.3	8241.8
72.5°	10563.1	16577.1	15167.2	16507.7	23744.5	22779.8	20669.8	12958.7	6935.1	5944.6
75°	8751.5	14183.1	13829.8	14375.1	19542.1	17943.5	17174.0	10729.3	5442.9	4300.8
77.5°	6752.8	11082.6	11895.6	11511.7	13755.6	13328.1	13312.0	8062.7	3976.5	2869.9
80°	4621.8	7723.9	9293.6	8120.8	8927.4	8709.6	10026.0	5409.0	2884.4	1727.7
82.5°	2716.6	4702.4	6468.9	3931.3	4936.4	5067.0	5970.4	2631.1	1697.1	398.5
85°	1101.8	1856.8	2529.5	1539.0	2381.1	2008.4	2266.5	738.8	472.7	9.7
87.5°	277.5	593.7	416.2	172.6	275.9	253.3	200.0	90.3	19.4	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
3242.5	0°	3242.5	3242.5	3242.5	3242.5	3242.5	3242.5	3242.5	3242.5	3242.5	3242.5
3663.5	2.5°	3600.6	3563.5	3471.6	3379.6	3305.4	3205.4	3139.3	3060.2	2984.4	2916.6
4083.0	5°	3981.3	3858.7	3691.0	3537.7	3381.2	3229.6	3079.6	2921.5	2776.3	2687.6
4437.9	7.5°	4291.1	4074.9	3852.3	3657.1	3468.4	3290.9	3092.5	2900.5	2673.1	2552.1
4708.9	10°	4521.8	4237.8	3945.9	3721.6	3531.3	3358.7	3190.9	2997.3	2723.1	2571.4
4873.4	12.5°	4673.4	4336.2	3994.3	3737.8	3524.8	3390.9	3316.7	3240.9	2968.3	2790.8
4994.4	15°	4778.3	4405.6	4028.1	3700.7	3439.3	3340.9	3415.1	3502.2	3328.0	3123.1
5120.3	17.5°	4892.8	4496.0	4042.6	3600.6	3273.2	3231.2	3423.2	3624.8	3616.8	3413.5
5239.6	20°	5013.8	4575.0	4033.0	3439.3	3071.5	3108.6	3353.8	3587.7	3686.1	3576.4
5376.8	22.5°	5138.0	4650.8	3995.9	3229.6	2882.8	2998.9	3244.1	3449.0	3565.1	3531.3
5544.5	25°	5294.5	4757.3	3941.0	3003.8	2726.3	2887.6	3116.7	3282.8	3363.5	3361.9
5725.2	27.5°	5481.6	4899.2	3912.0	2821.5	2615.0	2761.8	2965.0	3113.5	3169.9	3169.9
5949.4	30°	5699.4	5067.0	3879.7	2702.1	2550.4	2631.1	2789.2	2934.4	2990.8	2990.8
6194.6	32.5°	5941.4	5228.3	3802.3	2629.5	2502.1	2503.7	2603.7	2736.0	2803.7	2813.4
6501.1	35°	6231.7	5400.9	3632.9	2571.4	2445.6	2379.5	2427.8	2537.5	2618.2	2639.2
6938.3	37.5°	6612.5	5612.3	3390.9	2485.9	2358.5	2248.8	2260.1	2344.0	2432.7	2464.9
7541.6	40°	7123.8	5860.7	3139.3	2363.3	2235.9	2105.2	2100.4	2161.7	2248.8	2284.3
8357.9	42.5°	7799.8	6159.1	2898.9	2245.6	2087.5	1953.6	1945.5	1993.9	2069.7	2106.8
9435.5	45°	8664.4	6525.3	2692.4	2153.6	1942.3	1810.0	1806.8	1847.1	1913.2	1952.0
10814.8	47.5°	9866.2	6891.5	2552.1	2105.2	1827.7	1692.2	1698.7	1734.2	1793.9	1821.3
12600.6	50°	11432.7	7002.8	2481.1	2105.2	1766.4	1587.4	1619.6	1648.7	1693.8	1710.0
14741.3	52.5°	12936.1	6635.0	2416.6	2118.1	1774.5	1498.7	1568.0	1589.0	1627.7	1634.2
16725.5	55°	13673.4	5704.2	2327.8	2121.3	1824.5	1422.8	1526.1	1564.8	1579.3	1577.7
17877.3	57.5°	13420.1	4612.1	2177.8	2108.4	1858.4	1374.4	1474.5	1548.7	1558.3	1543.8
17657.9	60°	12531.2	3395.8	2063.3	2013.3	1845.5	1359.9	1395.4	1513.2	1527.7	1508.3
15967.3	62.5°	11040.6	2356.9	1974.5	1803.5	1789.0	1355.1	1271.2	1435.7	1471.2	1443.8
12834.5	65°	8691.8	1664.8	1700.3	1580.9	1666.4	1329.3	1142.1	1342.2	1390.6	1348.6
9311.3	67.5°	5881.7	1201.8	1377.7	1432.5	1468.0	1271.2	1048.6	1235.7	1300.2	1245.4
5975.2	70°	3176.4	843.7	909.8	1206.7	1247.0	1171.2	964.7	1127.6	1201.8	1142.1
4247.5	72.5°	1876.1	606.6	637.2	969.5	1038.9	1030.8	871.1	1001.8	1092.1	1021.1
2931.2	75°	1034.1	409.7	454.9	703.3	843.7	795.3	748.5	848.5	940.5	871.1
1837.4	77.5°	463.0	245.2	316.2	461.4	663.0	545.3	579.1	661.4	746.9	674.3
1022.8	80°	179.1	137.1	209.7	251.7	482.3	301.7	372.6	487.2	548.5	490.4
222.6	82.5°	22.6	61.3	90.3	98.4	280.7	159.7	216.2	306.5	301.7	261.3
0.0	85°	0.0	11.3	12.9	6.5	121.0	58.1	71.0	100.0	93.6	71.0
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

185°		195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
3242.5	0°	3242.5	3242.5	3242.5	3242.5	3242.5	3242.5	3242.5	3242.5	3242.5	3242.5
2903.7	2.5°	2824.7	2766.6	2737.6	2713.4	2736.0	2748.9	2748.9	2803.7	2836.0	2848.9
2631.1	5°	2489.1	2381.1	2308.5	2264.9	2279.4	2295.6	2313.3	2382.7	2429.5	2460.1
2442.4	7.5°	2224.6	2060.0	1958.4	1905.2	1913.2	1924.5	1939.1	2006.8	2053.6	2093.9
2406.9	10°	2093.9	1861.6	1727.7	1663.2	1651.9	1645.5	1640.6	1680.9	1716.4	1748.7
2552.1	12.5°	2100.4	1776.1	1613.2	1534.1	1500.3	1461.5	1430.9	1437.3	1459.9	1500.3
2811.8	15°	2182.6	1748.7	1553.5	1455.1	1398.6	1353.5	1316.4	1308.3	1316.4	1322.8
3108.6	17.5°	2294.0	1745.5	1501.9	1379.3	1321.2	1284.1	1250.2	1238.9	1240.5	1248.6
3305.4	20°	2382.7	1735.8	1443.8	1306.7	1255.1	1222.8	1188.9	1177.6	1180.9	1182.5
3324.8	22.5°	2429.5	1721.3	1379.3	1234.1	1190.5	1158.3	1127.6	1126.0	1126.0	1135.7
3219.9	25°	2429.5	1690.6	1321.2	1164.7	1126.0	1097.0	1059.9	1066.3	1069.5	1082.4
3057.0	27.5°	2371.4	1632.5	1274.4	1105.0	1064.7	1035.7	1001.8	1009.9	1014.7	1029.2
2895.7	30°	2297.2	1563.2	1221.2	1048.6	1001.8	980.8	951.8	955.0	961.5	977.6
2745.6	32.5°	2218.1	1480.9	1177.6	992.1	945.3	929.2	896.9	901.8	908.2	926.0
2597.2	35°	2131.0	1384.1	1126.0	940.5	893.7	880.8	843.7	846.9	856.6	876.0
2437.5	37.5°	2039.1	1305.1	1074.4	890.5	842.1	829.2	790.5	793.7	805.0	827.6
2269.8	40°	1948.7	1227.6	1019.5	837.2	788.8	777.6	735.6	738.8	751.7	775.9
2100.4	42.5°	1850.3	1167.9	948.6	782.4	730.8	719.5	680.8	685.6	700.1	724.3
1943.9	45°	1732.6	1129.2	869.5	730.8	672.7	661.4	625.9	635.6	651.7	675.9
1810.0	47.5°	1611.6	1113.1	803.4	675.9	613.0	603.3	574.3	590.4	608.2	627.5
1695.5	50°	1495.4	1092.1	735.6	624.3	561.4	551.7	532.4	553.3	571.1	588.8
1613.2	52.5°	1363.1	1047.0	674.3	579.1	517.8	514.6	504.9	524.3	540.4	556.5
1542.2	55°	1226.0	974.4	621.1	538.8	480.7	484.0	479.1	495.2	508.2	522.7
1477.7	57.5°	1106.6	882.4	579.1	495.2	448.5	458.1	451.7	459.8	467.8	485.6
1400.2	60°	985.7	772.7	532.4	443.6	416.2	427.5	409.7	408.1	411.4	416.2
1285.7	62.5°	822.7	658.2	474.3	398.5	380.7	385.6	351.7	325.9	325.9	330.7
1126.0	65°	661.4	551.7	409.7	346.8	332.3	329.1	280.7	245.2	242.0	256.5
940.5	67.5°	543.6	458.1	345.2	288.8	279.1	282.3	246.8	211.3	208.1	224.2
766.3	70°	450.1	369.4	275.9	222.6	232.3	246.8	211.3	177.5	172.6	187.1
622.7	72.5°	358.1	288.8	211.3	164.5	192.0	209.7	172.6	140.3	137.1	150.0
480.7	75°	262.9	206.5	143.6	119.4	148.4	164.5	125.8	100.0	95.2	106.5
321.0	77.5°	162.9	116.1	90.3	71.0	101.6	109.7	66.1	58.1	56.5	64.5
195.2	80°	75.8	50.0	43.6	24.2	37.1	43.6	27.4	30.7	32.3	38.7
98.4	82.5°	21.0	8.1	1.6	0.0	0.0	12.9	6.5	12.9	16.1	24.2
8.1	85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	8.1	14.5
0.0	87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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 CATALOG NUMBER: GALN-SB6B-830-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

285°		295°	305°	315°	325°	335°	345°	355°	360°
3242.5	0°	3242.5	3242.5	3242.5	3242.5	3242.5	3242.5	3242.5	3242.5
2939.2	2.5°	3007.0	3071.5	3174.8	3281.2	3386.1	3492.5	3595.8	3632.9
2600.5	5°	2727.9	2876.3	3081.2	3300.6	3526.4	3755.5	3965.2	4060.4
2250.4	7.5°	2416.6	2629.5	2937.6	3281.2	3641.0	4000.7	4331.4	4484.7
1903.6	10°	2084.2	2353.6	2705.3	3169.9	3686.1	4183.0	4637.9	4836.3
1598.7	12.5°	1768.1	2050.4	2439.1	2995.7	3650.6	4287.9	4834.7	5068.6
1384.1	15°	1503.5	1753.5	2173.0	2789.2	3536.1	4294.3	4928.3	5184.8
1264.7	17.5°	1305.1	1468.0	1901.9	2560.1	3386.1	4234.6	4960.5	5234.8
1200.2	20°	1206.7	1251.8	1550.3	2266.5	3245.7	4178.2	4992.8	5281.6
1148.6	22.5°	1148.6	1159.9	1268.0	1887.4	3078.0	4160.4	5049.3	5346.1
1101.8	25°	1101.8	1105.0	1134.1	1495.4	2821.5	4149.1	5136.4	5434.8
1053.4	27.5°	1055.0	1055.0	1071.2	1205.1	2473.0	4100.7	5249.3	5541.3
1005.0	30°	1008.2	1008.2	1019.5	1066.3	2064.9	4005.5	5384.8	5680.0
956.6	32.5°	959.8	959.8	969.5	1003.4	1648.7	3886.2	5509.0	5820.4
906.6	35°	911.5	908.2	921.1	956.6	1311.5	3734.5	5633.2	5972.0
856.6	37.5°	859.8	858.2	871.1	911.5	1132.5	3558.7	5726.8	6178.5
806.6	40°	805.0	805.0	819.5	863.1	1080.8	3337.7	5875.2	6475.3
755.0	42.5°	755.0	751.7	767.9	821.1	1042.1	3126.4	6141.4	6907.7
708.2	45°	706.6	700.1	714.6	780.8	974.4	3052.1	6638.3	7546.5
663.0	47.5°	661.4	645.3	658.2	732.4	913.1	3329.6	7451.3	8432.1
622.7	50°	624.3	593.7	604.9	684.0	866.3	3931.3	8506.3	9608.1
585.6	52.5°	585.6	545.3	551.7	624.3	824.3	4504.0	9650.1	11160.0
548.5	55°	545.3	500.1	503.3	564.6	764.7	4589.5	10766.4	13276.5
506.5	57.5°	500.1	458.1	458.1	509.8	721.1	3978.1	11624.6	15902.8
454.9	60°	450.1	422.7	414.6	466.2	759.8	2806.9	11724.6	17596.6
388.8	62.5°	395.2	380.7	369.4	424.3	788.8	1663.2	10919.7	17186.9
306.5	65°	332.3	329.1	321.0	466.2	664.6	982.4	9374.2	15930.2
261.3	67.5°	279.1	274.2	274.2	488.8	504.9	617.9	7323.9	14200.9
222.6	70°	240.4	222.6	222.6	369.4	306.5	427.5	5113.8	12334.4
183.9	72.5°	201.6	182.3	169.4	295.2	229.1	313.0	3195.7	10563.1
140.3	75°	161.3	146.8	130.7	195.2	171.0	237.1	1856.8	8751.5
88.7	77.5°	116.1	109.7	92.0	143.6	124.2	171.0	1105.0	6752.8
54.8	80°	59.7	61.3	58.1	82.3	83.9	116.1	629.1	4621.8
35.5	82.5°	35.5	27.4	30.7	40.3	48.4	66.1	237.1	2716.6
25.8	85°	22.6	14.5	14.5	19.4	24.2	25.8	72.6	1101.8
12.9	87.5°	11.3	4.8	6.5	9.7	8.1	6.5	3.2	277.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)